

雪胆属植物资料

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MATERIAL FOR THE GENUS HEMSLEYA COGN.

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1. 蛇莲 新种 图 1:1—8

Hemsleya sphaerocarpa Kuang et A. M. Lu, sp. nov., in Ic. Cormophyt. Sin. 4: 346, f. 6105. 1975, nom. non. rite publ., sine descr. lat.

Species *H. amabili* Diels affinis, sed, foliolis oblongo-lanceolatis vel late lanceolatis, foliolo mediano 2—3.5 cm lato; floribus majoribus, petalis 8 mm longis, 6 mm latis; fructibus magnis, superne 2.5—3 cm. Crassis; seminibus subrotundis, lenticularibus 8—9 mm diametro differt.

Radices tuberosi. Caules herbacei, scandentes. Rami gracillimi, longitudinaliter angulati vel sulcati, glaberrimi. Cirrhi filiformes, brevissime pubescentes demum subglabri, apice bifidi. Folia saepissime pedato-7-foliolata; petiolus subglaber, 2—6 cm longus; foliola oblongo-lanceolata vel late lanceolata, supra intense viridia, subtus paulo pallidiora, sparsissime pilosella praecipue ad nervos, apice acuminata, basi petiolulato-attenuata, margine crenulato-serrata, medianum 7—16 cm longum, 2—3.5 cm latum, lateralalia minora, externa parva satis obliqua. Flores dioici, sparsim cymoso-recemosi vel paniculati; pedunculus communis gracillimus pedicelli capillares 10—15 mm longi. Flores masculi: receptaculum breve, rotatum 1.5 mm longum; sepala 5, ovato-triangularia, apice acuminata, circ. 4 mm longa, 2.5 mm lata; corolla rotata, petalis patulis late ovatis apice acuminatis, circ. 8 mm longis, 6 mm latis; stamina 5, circ. 1 mm longa, filamentis valde brevibus, antheris subrotundis. Flores foeminei: ovarium subglobosum, glabrum, 2—3 mm diametro; styli 3, circ. 0.6 mm longi, stigmatibus bifidis. Fructus sphaericus, 2.5—3 cm diametro, 10-striatus, apice trivalvis. Semina pendula, subrotunda, lenticularia, 8—9 mm diametro, centro papillosa, convexa, ceteris partibus laevia.

Quizhou (贵州): Rongjiang (榕江), Taiyang Shan (太阳山), Qiannan pl. exped. (黔南队) 3365 (Typus, in Herb. Inst. Bot. Acad. Sin. conserv.); Huangping (黄平), Fuding Shan (佛顶山), Qiannan pl. exped. 2475; Wangmo (望谟), alt. 1400 m, Z. S. Chang (张志松) et Y. T. Chang (张永田) 766; Yinjiang (印江), Fanjing Shan (梵净山), C. P.

Tsien (简焯坡) et al. 30956; Kaili, Lei Shan (凯里雷山), alt. 800—1360 m, Qiannan pl. exped. 200, 01097, 1898, 2023, 3511, 3963.

Hunan (湖南): Chengbu (城步), alt. 1270m, P. X. Tan (谭沛祥) 63786; Yi Shan (易山), alt. 1215m, P. X. Tan (谭沛祥) 63817。

Guangxi (广西): Lingui (临桂), C. F. Liang (梁畴芬) 30411; Dayao Shan (大瑶山), Q. H. Lü (吕清华), 4223; Ziyuan (资源), Z. Z. Chen (陈照宙) 51588。

本种接近小蛇莲 *H. amabilis* Diels, 但小叶矩圆状披针形或宽披针形, 中间小叶宽 2—3.5 厘米; 花较大, 花冠裂片长 8 毫米, 宽 6 毫米; 果实大, 直径 2.5—3 厘米; 种子大, 直径 8—9 毫米。

2. 翼蛇莲 新种 图 I: 9—14

Hemsleya dipteriga Kuang et A. M. Lu, sp. nov. — *H. elongata* Kuang, in sched. — *H. kwangsiensis* Kuang et A. M. Lu, in sched.

Proxima *H. chinensi* Cogn., a qua fructibus imperfecte trilocularibus, loculis 2-spermis; seminibus late oblongis, 1.5 cm longis, 9 mm latis, centro ovatis convexis papillois; alatis, alis lateralibus, lignosis, leavibus differt.

Rami herbacei, gracillimi, longitudinaliter angulati, subglabri. Cirrhi filiformes, glabri, apice bifidi. Folia pedato-5(-7)-foliolata; petiolus glaber, 2—6 cm longus; foliola late lanceolata, supra intense viridia, subtus paulo pallidiora, sparsissime pilosula praecipue ad nervos, apice acuminata, basi petiolulato-attenuata, margine crenulato-serrata, medianum 11 cm longum, 2.3 cm latum, lateralia minora, externa obliqua. Flores dioici, sparsim cymoso-paniculati; pedunculus pedicellusque gracillimus. Flores masculi: bracteola subulata, circ. 1 mm longa; pedicelli 5—10 mm longi; receptaculum 0.7 mm longum; sepala ovata, circ. 7 mm longa; petala, patula late obovata, pubescentia, apice rotundata, 8 mm longa, 7.5 mm lata; stamina 5, circ. 1 mm longa, filamentis valde brevibus, antheris extrorsis, unilocularibus. Flores foeminei ignoti. Fructus clavato-oblongus, laevis, basi angustissime attenuatus, apice subtruncatus, circ. 4.5 cm longus, 1.7 cm crassus, imperfecte trilocularis, loculis frequenter 2-spermis. Semina oblonga, 1.5 cm longa, 9 mm lata, centro ovata convexa papillosa, alata; ala lignosa laevis.

Guangxi (广西): Damiao Shan (大苗山), alt. 700—1000m, S. G. Chen (陈少卿) 15793 (Typus, in Herb. Inst. Bot. Acad. Sin. conserv.); Longsheng (龙胜), alt. 1100—1300m, Guangfu Linqu exped. (广福林区调查队) 00896; Miao Shan (苗山), alt. 4200 ft., R. C. Ching (秦仁昌) 6029; Damiao Shan, Jiuwandashan (九万大山), alt. 550m, D. Z. Chen (陈德昭) 727。

本种相似雪胆 *H. chinensis* Cogn., 但果实不完全 3 室, 每室通常具 2 枚种子; 种子宽矩圆形, 长 1.5 厘米, 宽 9 毫米, 中央部分卵形, 有疣状突起, 具翅; 翅木质, 平滑。

3a. 雪胆 图 2

Hemsleya chinensis Cogn. ex Forbes et Hemsl. in Journ. Linn. Soc. Bot. 23: 490. 1888, et in Hook., Ic. Pl. 19. t. 1822. 1889, pro parte, et Engl. Pflanzenr. IV. 275(1):

23, 1916, pro parte, quoad flores masculos, excl. flores foemineos, fructus et semen; 中国高等植物图鉴 (Ic. Cormophyt. Sin.) 4: 344, f. 6102, 1975, pro parte, quoad flores masculos, excl. flores foemineos, fructus et semen. — *Gymnostemma?* sp. nov, Forbes et Hemsl. in Journ. Linn. Soc. Bot. 23: 321, 1888. — *Hemsleya szechuenensis* Kuang et A. M. Lu, 中国高等植物图鉴 (Ic. Cormophyt. Sin.) 4: 345, f. 6103, 1975, nom. non. rite public., sine descr. lat., pro parte, quoad flores foemineos, fructus et semen, excl. flores masculos.

该种为雌雄异株, A. Cogniaux 在 1889 年正式发表时, 将雌雄株配对错误, 因此成为混杂种。它的雌株(包括果实和种子)应属于 *H. graciliflora* (Harms) Cogn.。此后, 许多分类学家都作了错误的鉴定。作者在编写《中国高等植物图鉴》时, 又将应该属于本种的雌花和果实的标本定名为一个新种 *H. szechuenensis* Kuang et A. M. Lu, 为了纠正上述错误, 本文有必要对该种作正确的描述和绘图。



图1

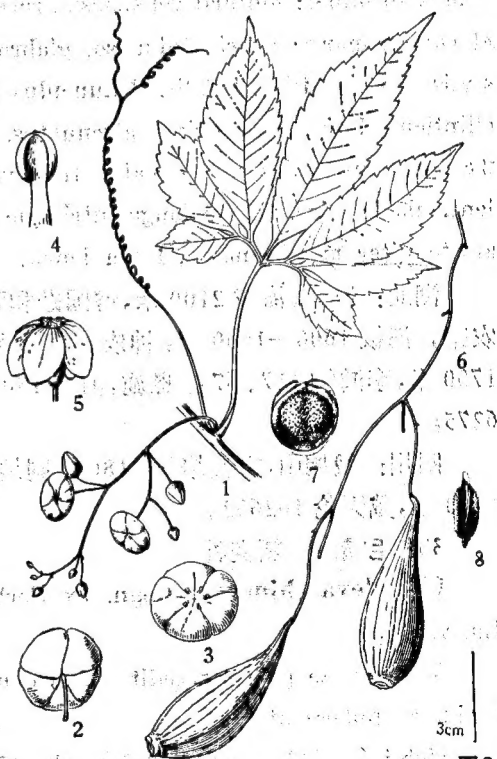


图2

图1: 1—8 蛇莲 *Hemsleya sphaerocarpa* Kuang et A. M. Lu, 1.雄花枝; 2.雄蕊×20; 3.雌花×2; 4.子房×5; 5.子房纵切×5; 6.果实; 7.种子正面观×2; 8.种子侧面观×2; 9—14: 翼蛇莲 *H. dipteriga* Kuang et A. M. Lu, 9.果枝; 10.种子正面观×2; 11.种子侧面观×2; 12.雄花正面观×2; 13.雄花背面观×2; 14.雄蕊×20。

图2 雷胆 *Hemsleya chinensis* Cogn. ex Forbes et Hemsl., 1.雄花枝; 2.雄花背面观×2; 3.雄花正面观×2; 4.雄蕊×15; 5.雌花×2; 6.果序; 7.种子正面观×2; 8.种子侧面观×2。

(吴影桦绘)

Herbae scandentes. Radices tuberosae. Caules ramique graciles, flexuosi, profunde sulcati, brevissime pubescentes demum subglabri. Cirrhi filiformes, breviter puberuli vel demum subglabri, apice bifidi. Folia pedato-5—7-foliolata; petiolus subglaber vel pubescens, 4—8 cm longus; foliola ovato-lanceolata, oblongo-lanceolata vel late lanceolata, membranacea, apice acuminata, basi sensim petiolulato-attenuata, supra viridia, subtus paullo pallidiora, margine crenulato-serrata, saepissime ad nervos brevissime pubescentia, medianum 7—12 cm longum, 2—3 cm latum, lateralia minora, externa paulo obliqua. Flores dioici. Flores masculi: sparsim cymoso-recemosi vel paniculati; rhachis ramulique flexuosi, ad 8 cm longi, filiformes, pubescentes; pedicellis capillaribus, 6—10 mm longis; sepala 5, reflexa, ovata, apice acuta, 7 mm longa, 4.5 mm lata; corolla laeta, aurantiaca, ob petala reflexa plano-globosa, petalis late oblongis, 1.3 cm longis, 9 mm latis, intus albo-pubescentibus vel subglabris; staminibus 5, 1.5 mm longis, filamentis valde brevibus, circ. 1 mm longis, antheris extrorsis ovatis unilocularibus. Flores foeminei: solitarii vel sparsim racemosi; pedunculo filiformi 2—3 cm longo; calyx et corolla maris; ovario tubuloso, glabro, 5—6 mm longo, superne 2.2 mm diametro, stylis 3, stigmatibus bifidis. Pedunculus fructifer 2.5—4 cm longus. Fructus oblongo-ellipticus, basi angustissime attenuatus, subglaber, 9-striatus, 4.5—6 cm longus, superne 2 cm crassus, apice subtruncatus trivalvis. Semina pendula imbricata, subrotunda, lenticularia, circ. 1.1 cm longa, utrinque papillosa, margine leavia, basi apiceque alata, ala tenuiter membranacea, 1 mm longa.

湖北: 巴东, 海拔 2100 米, 傅国勋和张志松 0089; 神农架, 傅国勋和张志松 1085; 神农架, 海拔 1600—1900 米, 神农架植物考察队 11017、11943、31119; 兴山, 海拔 1200—1700 米, 李鸿钧 117、671; 恩施, 海拔 1500 米, 傅国勋和张志松 1402、1419; 合丰, 李鸿钧 6275。

四川: 峨眉山, 方文培等 31864; 同地, 海拔 2000 米, 汪发绩 23322; 城口县, 海拔 1450 米, 戴天伦 102632。

3b. 毛雪胆 新变种

Hemsleya chinensis Cogn. ex Forbes et Hemsl. var. **polytricha** Kuang et A. M. Lu, var. nov.

A varietate prima recedit ramis dense pubescentibus, fructibus secus strias longitudinales pubescentibus.

Hubei (湖北): Enshi (恩施), alt. 1500m, K. S. Fu (傅国勋) et Z. S. Chang (张志松) 1419 (Typus, in Herb. Inst. Bot. Acad. Sin. conserv.); Xianfeng (咸丰), alt. 1300m, L. Y. Dai (戴伦膺) et C. H. Qian (钱重海) 695。

本变种不同原变种在: 枝密被短柔毛, 果实沿纵肋生白色柔毛。